Hovsepian v. Apple, Inc.

Doc. 161 Att. 5

EXHIBIT F

Dockets.Justia.com

K. Ward
1/16/92
#11/Amdt

PATENT
02473-0001-00000

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of	
PAUL YURT, ET AL.	
Serial No. 07/637,562	Group Art 260
Filed: January 7, 1991	Examiner: S. Chin
For: AUDIO AND VIDEO TRANSMISSION AND RECEIVING SYSTEM	

Hon. Commissioner of Patents
and Trademarks
Washington, DC 20231

Sir:

In response to the Office Action dated December 10, 1991, please enter the following amendments:

IN THE CLAIMS:

Amend claims 1, 11, 18-24, 34, 35, 41, 46, 47, and 49-54 as follows:

C1 Cont.

1. (Twice Amended) A transmission system for providing information to be transmitted to remote locations, the transmission system comprising:

library means for storing items containing information;

identification encoding means for retrieving the information in the items from the library means and for assigning a unique identification code to the retrieved information;

conversion means, coupled to the identification encoding means, for placing the retrieved information into a predetermined format as formatted data;

LAW OFFICES
FINNEGAN, HENDERSON
FARABOW, GARRETT
& DUNNER
1300 I STREET, N. W.
WASHINGTON, DC 20005
1-202-408-4000

C1 Concld.

ordering means, coupled to the conversion means, for placing the formatted data into a sequence of addressable data blocks;

compression means, coupled to the ordering means, for compressing the formatted and sequenced data blocks;

compressed data storing means, coupled to the data compression means, for storing as [a file] files the compressed, sequenced data blocks received from the data compression means with the unique identification code assigned by the identification encoding means; and

transmitter means, coupled to the compressed data storing means, for sending at least a portion of [a file] one of the files to one of the remote locations.

Claim 11, line 2, replace "partly" with --partially--.

C2 Cont

~~18.~~ 19. (Twice Amended) A distribution method responsive to requests from a user identifying items in a transmission system containing information to be sent from [a] the transmission system to receiving systems at remote locations, the method comprising the steps of:

storing, in the transmission system, information from items in a compressed data form, [in which] the information [includes] including an identification code and [is] being placed into ordered data blocks;

[requesting transmission] sending a request, by [a] the user to the transmission system, [of] for at least a part of the stored information to be transmitted to [a] the one of the receiving systems at one of the remote location selected by the user;

LAW OFFICES
FINNEGAN, HENDERSON
FARABOW, GARRETT
& DUNNER
1300 I STREET, N. W.
WASHINGTON, DC 20005
1-202-408-4000

sending at least a portion of the stored information from the transmission system to the receiving system at the selected remote location;

receiving the sent information by the receiving system at the selected remote location;

[buffering] storing a complete copy of the received information in the receiving system at the selected remote location; and

playing back the [buffered] stored copy of the information using the receiving system at the selected remote location at a time requested by the user.

C2 Contd

~~19~~ 20. (Twice Amended) The distribution method as recited in claim ~~18~~ 19, wherein the information in the items includes analog and digital signals, and wherein the step of storing the information comprises the steps, performed by the transmission system, of:

converting the analog signals of the information to digital components;

formatting the digital signals of the information;

ordering the converted analog signals and the formatted digital signals into a sequence of addressable data blocks and;

compressing the ordered information.

C3

~~20~~ 21. (Amended) The method of claim ~~18~~ 19 wherein the step of storing the items includes the substep of

storing the items in a plurality of compressed audio and video libraries in the transmission system.

LAW OFFICES
FINNEGAN, HENDERSON
FARABOW, GARRETT
& DUNNER
1300 I STREET, N.W.
WASHINGTON, DC 20005
1-202-408-4000

C4

~~21~~ 22. (Amended) The method of claim ~~18~~ 19 further comprising the steps, performed by the transmission system, of:

storing a list of items available to the user from at least one compressed data library; and

providing the user with the list so that the user may remotely select a particular item for transmission.

~~22~~ 23. (Twice Amended) A receiving system responsive to a user input identifying a choice of an item stored in a source material library at a transmission system to be played back to a user at a location remote from the source material library, the item containing information to be sent from the transmission system [a transmitter] to the receiving system, the receiving system comprising:

C5 Cont

requesting means [,] for transmitting to the source material library in the transmission system the identity of the item;

transceiver means, coupled to the requesting means, for receiving the item from the [transmitter] transmission system as at least one compressed, formatted data block;

receiver format conversion means, coupled to the transceiver means, for converting the at least one compressed, formatted data block into a format suitable for storage processing, and for playback at the receiver system [in real time];

storage means, coupled to the receiver format conversion means, for storing a complete copy of the formatted data;

decompressing means, coupled to the ~~receiver format conversion~~ storage means, for decompressing the copy of the formatted data; and

LAW OFFICES
FINNEGAN, HENDERSON
FARABOW, GARRETT
& DUNNER
1300 I STREET, N. W.
WASHINGTON, DC 20005
1-202-408-4000

C5 Cont.

output data conversion means, coupled to the decompressing means, for playing back the decompressed copy of the data at a time specified by the user.

Claim 23, line 1, after "the" insert --user--.

Claim 24, line 3, after "playback" insert --of the copy--.

C6

~~34~~ 23. (Amended) The distribution method as recited in claim ~~18~~ 19, wherein the step of [buffering] storing includes the step of [buffering] storing the received information at the head end of a cable television reception system.

~~35~~ 24. (Amended) The distribution method as recited in claim ~~18~~ 19, wherein the step of [buffering] storing includes the step of [buffering] storing the received information in an intermediate storage device.

C7 Cont.

41. (Amended) A method of transmitting information to remote locations, the transmission method comprising the steps, performed by a transmission system, of:

storing items having information in a source material library;

retrieving the information in the items from the source material library;

assigning a unique identification code to the retrieved information;

placing the retrieved information into a predetermined format as formatted data;

placing the formatted data into a sequence of addressable data blocks;

LAW OFFICES
FINNEGAN, HENDERSON
FARABOW, GARRETT
& DUNNER
1300 I STREET, N.W.
WASHINGTON, DC 20005
1 202 408 4000

compressing the formatted and sequenced data blocks;

storing, as a file, the compressed, formatted, and sequenced data blocks with the assigned unique identification code; and

sending at least a portion of the file to one of the remote locations.

46. (Amended) A transmission method as recited in claim 45, further comprising the steps, performed by the transmission system, of:

generating a listing of available items;

receiving transmission requests to transmit available items; and

retrieving stored formatted data blocks corresponding to requests from users.

47. (Amended) A distribution system including a transmission system and a plurality of receiving systems at remote locations, [which is] the transmission system being responsive to requests identifying items containing information to be sent from [a] the transmission system to the receiving systems at the remote locations, the distribution system comprising:

storage means in the transmission system for storing information from the items in a compressed data form, in which the information includes an identification code and is placed into ordered data blocks;

LAW OFFICES
FINNEGAN, HENDERSON
FARABOW, GARRETT
& DUNNER
1300 I STREET, N. W.
WASHINGTON, DC 20005
1-202 408-4000

requesting means in the transmission system, coupled to the storage means, for [requesting transmission, by] receiving requests from a user[, of] for at least a part of the stored information to be transmitted to [a] the receiving system at one of the remote [location] locations selected by the user;

transmission means in the transmission system, coupled to the requesting means, for sending at least a portion of the stored information to the receiving system at the selected remote location;

receiving means in the receiving system [,coupled to the transmission means,] for receiving the transmitted information [at the selected remote location];

[buffering] memory means in the receiving system, coupled to the receiving means, for [buffering] storing a complete copy the received information [at the selected remote location]; and

playback means in the receiving system, coupled to the [buffer] memory means, for playing back the [buffered] stored copy of the received information [at the selected remote location] at a time requested by the user.

C8 Concld.

Claim 48, line 1, replace "method" with --system--.

49. (Amended) A distribution [method] system as recited in claim 47, wherein the [buffering] memory means [receives] includes means for receiving information at the head end of a cable television reception system.

C9 Cont.

LAW OFFICES
FINNEGAN, HENDERSON
FARABOW, GARRETT
& DUNNER
1300 I STREET, N. W.
WASHINGTON, DC 20005
1-202-408-4000

50. (Amended) A distribution [method] system as recited in claim [47] 49, wherein the head end of the cable television reception system includes means for decompressing the received signals [decompresses] and [distributes] distributing the decompressed received signals.

51. (Amended) A distribution [method] system as recited in claim [47] 49, wherein the head end of the cable television reception system includes means for distributing [distributes] compressed signals.

C9 Cancld

52. (Amended) A distribution [method] system as recited in claim [47] 49, wherein the head end of the cable television reception system includes means for decompressing the received signals [decompresses] and [distributes] for distributing the decompressed received signals and [distributes] compressed received signals.

Claim 53, line 1, replace "method" with system; and line 2, "buffering" with --memory--.

N E 10 C Cont N K

54. (Amended) A method of receiving information at a receiving system from a transmission system which information is responsive to an input from a user, the input identifying a choice of an item stored in a source material library to be played back to the user at a receiving system at a location remote from the source material library, the item containing information to be sent from [a transmitter] the transmission system to [a receiver] the receiving system, the receiving method comprising the steps of:

LAW OFFICES
FINNEGAN, HENDERSON
FARABOW, GARRETT
& DUNNER
1300 I STREET, N.W.
WASHINGTON, DC 20005
1-202-408-4000

C/o Concld.

transmitting [to the source material library] the identity of an item from the user to the source material library at the transmission system;

receiving at the receiving system the item from the [transmitter] transmission system as at least one compressed formatted data block;

converting, at the receiving system, the at least one compressed formatted data [block] into a format suitable for storage processing and for playback in real time;

storing the converted information at the receiving system;

decompressing the stored information at the receiving system; and

playing back, at the receiving system, the decompressed information at a time specified by the user.

REMARKS

In the pending Office Action dated December 10, 1991, the Examiner rejected claims 1-58 under 35 U.S.C. §103 as unpatentable over various combinations of Abraham, U.S. Patent No. 4,521,806, Ulicki, U.S. Patent No. 4,028,733, and Keith et al., U.S. Patent No. 4,785,349. The Examiner also rejected claims 12-17 under 35 U.S.C. §112 for failing to describe "multi-driven signal analysis" adequately.

LAW OFFICES
FINNEGAN, HENDERSON
FARABOW, GARRETT
& DUNNER
1300 I STREET, N. W.
WASHINGTON, DC 20005
1-202-408-4000

Applicants thank Examiner Chin very much for the courtesy of the interview held on December 20, 1991. This amendment reflects the suggestions made by the Examiner to place the claims in better form for allowance and to eliminate any problems under 35 U.S.C. §112, paragraph 1.

Specifically, claim 18, as well as the claims that depend from claim 18 directly or indirectly, have been amended to reflect that the distribution method recited in these claims involves both a transmission system and receiving system at a remote location, and that the received information is stored as a complete copy in the receiving system at the remote location. Claim 47 and its dependent claims were amended similarly to define a distribution system

Claim 22, as well as the claims which depend from it directly or indirectly, have been amended to state explicitly what has been sent by a transmission system to the receiving system covered by these claims, and these claims now also reflect the fact that a complete copy of the received formatted data is stored at the receiving system. Claim 54, and the claims which depend directly or indirectly from it, cover a method of receiving, and were amended similarly.

The claims clearly define over the references cited by the Examiner. For example, none of the systems in those references performs the precompression processing set forth in claim 1 (and claim 41) as the functions performed by the identification and coding means, the conversion means, the ordering means, and the

LAW OFFICES
FINNEGAN, HENDERSON
FARABOW, GARRETT
& DUNNER
1300 I STREET, N. W.
WASHINGTON, DC 20005
1-202-408-4000

compression means. Nor do these references teach the recited compressed data storing means which stores the compressed, sequence data box with the unique identification code assigned by the identification and coding means. Instead, Abraham and Ulicki teach a real time system in which the information is stored in its original format and is then transmitted to a receiver.

The distribution method of claim 18 and distribution system of claim 47 are also nonobvious over the references cited by the Examiner for those distinctions. In addition, these claims require a complete a copy of the transmitted information to be stored at the receiving system for playback at a time selected by the user, which distinguishes this invention from a real time system. This latter distinction also applies to the receiving system of claim 22 as well as the associated method of claim 54.

For these reasons, and because the claims have been amended to define the invention more clearly, Applicants respectfully request that the independent claims 1, 18, 22, 41, 47 and 54, as well as the claims which depend directly or indirectly from these claims, are novel and nonobvious.

The other rejection of the claims is under 35 U.S.C. §112 and concerns the recitation of multi-dimensional analysis in claims 12-17. Applicants respectfully traverse this rejection because multi-dimensional analysis is described adequately in the specification at page 21, line 14 to page 22, line 2.

LAW OFFICES
FINNEGAN, HENDERSON
FARABOW, GARRETT
& DUNNER
1300 I STREET, N. W.
WASHINGTON, DC 20005
1-202-408-4000

Finally, Applicants have reviewed all the claims and made amendments to ensure consistency and to correct certain minor matters discussed during the interview.

For all these reasons, Applicants respectfully request that claims 1-58 be allowed, and that this application be passed to issue as quickly as possible.

If there are any other fees due in connection with the filing of this amendment, please charge the fees to our Deposit Account No. 06-916. If a fee is required for an extension of time under 37 C.F.R. 1.136 not accounted for above, such an extension is requested and the fee should also be charged to our Deposit Account.

Respectfully submitted,

E. Robert Yoches
Registration No. 30,120

Dated: December 26, 1991

LAW OFFICES
FINNEGAN, HENDERSON
FARABOW, GARRETT
& DUNNER
1300 I STREET, N. W.
WASHINGTON, DC 20005
1-202 408 4000